

CLAIMS

1. A light emitting diode (LED) display panel, comprising:
an array of LEDs arranged as a matrix of columns in a vertical direction and rows in a horizontal direction,
each LED having a rectangular shape and oriented at an angle to the horizontal direction, and
some of said LEDs activated to generated a master light pattern, and having diffused light to illuminate neighbor LEDs and to effect a macroscopic view with virtual stereoscopic effect of the master light pattern.
2. The LED display panel as described in claim 1, wherein each LED is oriented to effect the virtual stereoscopic effect without changing the aspect ratio of the master light pattern.
3. The LED display panel as described in claim 1, wherein the LEDs are oriented such that a first group of said neighbor LEDs illuminated by only one of said LEDs activated to display a weaker light, and a second group of said neighbor LEDs illuminated by two of said LEDs activated to irradiate a stronger light.
4. The LED display panel as described in claim 1, wherein said LEDs are coated on one edge with a light absorbing material.
5. The LED display panel as described in claim 1, wherein said LEDs are coated on one edge with a light reflecting material.
6. The LED display panel as described in claim 1, wherein said LEDs are partially coated on one edge with a light absorbing material.
- 7 The LED display panel as described in claim 1, wherein said LEDs are partially coated on one edge with a light reflecting material.